Some contents in this manual may differ from your phone depending on the software of the phone or your service provider.

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user manual

SAMSUNG

using this manual

This user manual has been specially designed to guide you through the functions and features of your mobile phone. To get started quickly, refer to “introducing your mobile phone,” “assembling and preparing your mobile phone,” and “using basic functions.”

Instructional icons

Before you start, familiarize yourself with the icons you will see in this manual:

Warning—situations that could cause injury to yourself or others

Caution—situations that could cause damage to your phone or other equipment

Note—notes, usage tips, or additional information

▶ **Refer to**—pages with related information; for example: ▶ p. 12 (represents “see page 12”)

→ **Followed by**—the order of options or menus you must select to perform a step; for example: In Menu mode, touch **Messages** → **Create message** (represents **Messages**, followed by **Create message**)

[ ] **Square brackets**—phone keys; for example: [☎] (represents the Power/ Menu exit key)

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safety and usage information

Comply with the following precautions to avoid dangerous or illegal situations and ensure peak performance of your mobile phone.

Safety warnings

WARNING

Keep your phone away from small children and pets

Keep your phone and all accessories out of the reach of small children and pets. Small parts may cause choking or serious injury if swallowed.

Protect your hearing

Listening to a headset at high volumes can damage your hearing. Use only the minimum volume setting necessary to hear your conversation or music.

Install mobile phones and equipment with caution

Ensure that any mobile phones or related equipment installed in your vehicle are securely mounted. Avoid placing your phone and accessories near or in an air bag deployment area. Improperly installed wireless equipment can cause serious injury when air bags inflate rapidly.

Handle and dispose of batteries and chargers with care

- Use only Samsung-approved batteries and chargers specifically designed for your phone. Incompatible batteries and chargers can cause serious injuries or damage to your phone.
- Never dispose of batteries or phones in a fire. Follow all local regulations when disposing of used batteries or phones.
- Never place batteries or phones on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode when overheated.
- Never crush or puncture the battery. Avoid exposing the battery to high external pressure, which can lead to an internal short circuit and overheating.

Avoid interference with pacemakers

Maintain a minimum of 15 cm (6 inches) between mobile phones and pacemakers to avoid potential interference, as recommended by manufacturers and the independent research group, Wireless Technology Research. If you have any reason to suspect that your phone is interfering with a pacemaker or other medical device, turn off the phone immediately and contact the manufacturer of the pacemaker or medical device for guidance.

WARNING

Turn off the phone in potentially explosive environments

Do not use your phone at refueling points (service stations) or near fuels or chemicals. Turn off your phone whenever directed by warning signs or instructions. Your phone could cause explosions or fire in and around fuel or chemical storage, transfer areas and blasting areas. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the phone, its parts, or accessories.

Reduce the risk of repetitive motion injuries

While using your phone, hold the phone with a relaxed grip, press the keys lightly, use special features that reduce the number of keys you have to press (such as templates and predictive text), and take frequent breaks.

Do not use the phone if the screen is cracked or broken

Broken glass or acrylic could cause injury to your hand and face. Bring the phone to a Samsung service center to replace the screen. Damage caused by careless handling will void your manufacturer's warranty.

Safety precautions

CAUTION

Drive safely at all times

Avoid using your phone while driving and obey all regulations that restrict the use of mobile phones while driving. Use hands-free accessories to increase your safety when possible.

Follow all safety warnings and regulations

Comply with any regulations that restrict the use of a mobile phone in a certain area.

Use only Samsung-approved accessories

Using incompatible accessories may damage your phone or cause injury.

Turn off the phone near medical equipment

Your phone can interfere with medical equipment in hospitals or health care facilities. Follow all regulations, posted warnings, and directions from medical personnel.

Turn off the phone or disable the wireless functions when in an aircraft

Your phone can cause interference with aircraft equipment. Follow all airline regulations and turn off your phone or switch to a mode that disables the wireless functions when directed by airline personnel.

Protect batteries and chargers from damage

- Avoid exposing batteries to very cold or very hot temperatures (below 0° C/32° F or above 45° C/113° F). Extreme temperatures can reduce the charging capacity and life of your batteries.
- Prevent batteries from contacting metal objects, as this can create a connection between the + and - terminals of your batteries and lead to temporary or permanent battery damage.
- Never use a damaged charger or battery.

Handle your phone carefully and sensibly

- Do not disassemble your phone due to a risk of electric shock.
- Do not allow your phone to get wet—liquids can cause serious damage and will change the color of the label that indicates water damage inside the phone. Do not handle your phone with wet hands. Water damage to your phone can void your manufacturer's warranty.
- Avoid using or storing your phone in dusty, dirty areas to prevent damage to moving parts.
- Your phone is a complex electronic device—protect it from impacts and rough handling to avoid serious damage.
- Do not paint your phone, as paint can clog moving parts and prevent proper operation.

- If your phone has a camera or light, avoid using it close to the eyes of children or animals.
- Your phone may be damaged by exposure to magnetic fields. Do not use carrying cases or accessories with magnetic closures or allow your phone to come in contact with magnetic fields for extended periods of time.

Avoid interference with other electronic devices

Your phone emits radio frequency (RF) signals that may interfere with unshielded or improperly shielded electronic equipment, such as pacemakers, hearing aids, medical devices, and other electronic devices in homes or vehicles. Consult the manufacturers of your electronic devices to solve any interference problems you experience.

Important usage information

Use your phone in the normal position

Avoid contact with your phone's internal antenna.

Allow only qualified personnel to service your phone

Allowing non-qualified personnel to service your phone may result in damage to your phone and will void your warranty.

Ensure maximum battery and charger life

- Avoid charging batteries for more than a week, as overcharging may shorten battery life.
- Over time, unused batteries will discharge and must be recharged before use.

- Disconnect chargers from power sources when not in use.
- Use batteries only for their intended purpose.

Handle SIM cards and memory cards with care

- Do not remove a card while the phone is transferring or accessing information, as this could result in loss of data and/or damage to the card or phone.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Frequent writing and erasing will shorten the life span of memory cards.
- Do not touch gold-colored contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.

Ensure access to emergency services

Emergency calls from your phone may not be possible in some areas or circumstances. Before traveling in remote or areas without signal coverage, plan an alternate method of contacting emergency services personnel.

Specific Absorption Rate (SAR) certification information

Your phone conforms to European Union (EU) standards that limit human exposure to radio frequency (RF) energy emitted by radio and telecommunications equipment. These standards prevent the sale of mobile phones that exceed a maximum exposure level (known as the Specific Absorption Rate, or SAR) of 2.0 watts per kilogram.

During testing, the maximum SAR recorded for this model was 0.752 watts per kilogram. In normal use, the actual SAR is likely to be much lower, as the phone has been designed to emit only the RF energy necessary to transmit a signal to the nearest base station. By automatically emitting lower levels when possible, your phone reduces your overall exposure to RF energy.

For more information about the SAR and related EU standards, visit the Samsung mobile phone website.

Correct disposal of this product

(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

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introducing your mobile phone

In this section, learn about your mobile phone's layout, keys, and icons.

Unpack

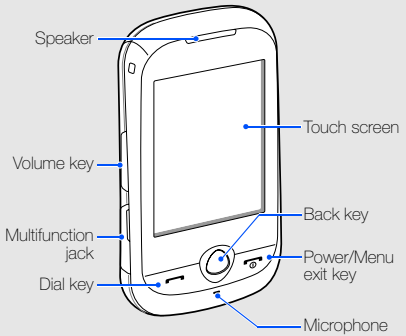
Check your product box for the following items:

- Mobile phone
- Battery
- Travel adapter (charger)
- User manual

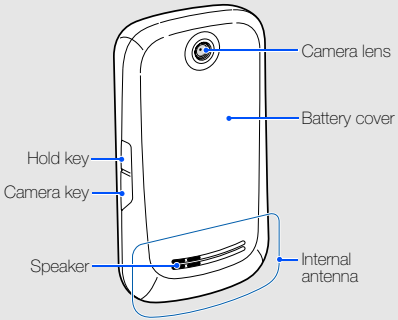
- The items supplied with your phone may vary depending on the software and accessories available in your region or offered by your service provider. You can purchase additional accessories from your local Samsung dealer.
- The supplied accessories perform best for your phone.

Phone layout

The front of your phone includes the following keys and features:



The rear of your phone includes the following keys and features:



You can lock the touch screen and keys to prevent any unwanted phone operations. To lock, press [ ].

Keys

Key	Function
Dial	Make or answer a call; In Idle mode, retrieve recently dialed, missed, or received numbers
Back	In Menu mode, return to the previous level
Power/ Menu exit	Turn the phone on and off (press and hold); End a call; In Menu mode, cancel input and return to Idle mode
Volume	Adjust the phone's volume; In Idle mode, press and hold the Volume key down to make a fake call
Hold	Lock the touch screen and keys; Unlock the touch screen and keys (press and hold)
Camera	In Idle mode, turn on the camera; In Camera mode, take a photo or record a video

Icons

Learn about the icons that appear on your display.

Icon	Definition
	Signal strength
	GPRS network connected
	EDGE network connected
	Call in progress
	Browsing the web
	Connected to secured web page
	Call diverting activated
	Synchronized with PC
	Bluetooth activated

Icon	Definition
	Bluetooth hands-free car kit or headset connected
	Alarm activated
	New text message (SMS)
	New multimedia message (MMS)
	New email message
	New voice mail message
	Memory card inserted
	Normal profile activated
	Silent profile activated
	Battery power level
10:00	Current time

assembling and preparing your mobile phone

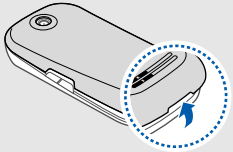
Get started by assembling and setting up your mobile phone for its first use.

Install the SIM card and battery

When you subscribe to a cellular service, you will receive a Subscriber Identity Module (SIM) card with subscription details, such as your personal identification number (PIN) and optional services.

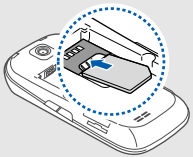
To install the SIM card and battery,

1. Remove the battery cover and battery.



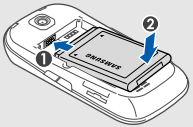
If the phone is on, press and hold [ ] to turn it off.

2. Insert the SIM card.

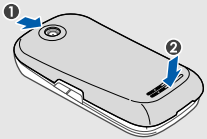


- Place the SIM card in the phone with the gold-colored contacts facing down.
- Without inserting a SIM card, you can use your phone's non-network services and some menus.

3. Insert the battery.



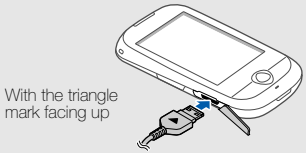
4. Replace the battery cover.



Charge the battery

Before using the phone for the first time, you must charge the battery.

1. Open the cover to the multifunction jack.
2. Plug the small end of the travel adapter into the multifunction jack.



CAUTION

Connecting the travel adapter improperly may cause serious damage to the phone. Any damages by misuse are not covered by the warranty.

3. Plug the large end of the travel adapter into a power outlet.
4. When the battery is fully charged (the icon is no longer moving), unplug the travel adapter from the power outlet.
5. Unplug the travel adapter from the phone.
6. Close the cover to the multifunction jack.

About the low battery indicator

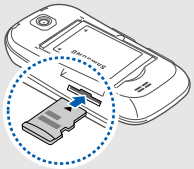
When your battery is low, a warning tone and a low battery pop-up message will appear. The battery icon will also be empty and blinking. If the battery level becomes too low, the phone will automatically power off. Recharge your battery to continue using your phone.

Insert a memory card (optional)

To store additional multimedia files, you must insert a memory card. Your phone accepts microSD™ or microSDHC™ memory cards up to 8 GB (depending on memory card manufacturer and type).

Formatting the memory card on a PC may cause incompatibility with your phone. Format the memory card only on the phone.

1. Remove the battery cover.
2. Insert a memory card with the label side facing up.

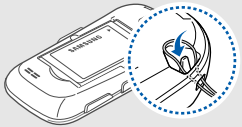


3. Push the memory card in the memory card slot until it locks in place.
4. Replace the battery cover.

To remove the memory card, push it gently until it disengages from the phone, and then pull the memory card out of the memory card slot.

Attach a hand strap (optional)

1. Remove the battery cover.
2. Slide a hand strap through the slot and hook it over the small projection.



3. Replace the battery cover.

using basic functions

Learn how to perform basic operations and use the main features of your mobile phone.

Turn your phone on and off

To turn your phone on,

1. Press and hold [ ].
2. Enter your PIN and select **Confirm** (if necessary).

To turn your phone off, repeat step 1 above.

Switch to the offline profile

By switching to the offline profile, you can use your phone's non-network services in areas where wireless devices are prohibited, such as airplane and hospitals.

To switch to the offline profile, in Menu mode, select **Settings** → **Phone profiles** → **Offline**.

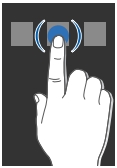
Follow all posted warnings and directions from official personnel when in areas where wireless devices are prohibited.

Use the touch screen

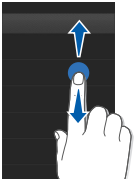
Your phone's touch screen lets you easily select items or perform functions. Learn basic actions to use the touch screen.

For the optimal use of the touch screen, remove the screen protection film before using your phone.

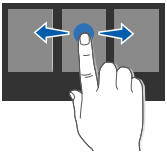
- Touch an icon to open a menu or launch an application.



- Drag your finger up or down to scroll through vertical lists.



- Drag your finger left or right to scroll through horizontal lists.



Access menus

To access your phone's menus,

1. In Idle mode, select **Menu** to access Menu mode.
2. Scroll left or right through the menu screens.
3. Select a menu or option.
4. Press the Back key to move up one level; Press [ ] to return to Idle mode.

Use widgets

Learn to use widgets on the toolbar.

- Some of your widgets connect to web services. Selecting a web-based widget may incur additional charges.
- Available widgets may vary depending on your region or service provider.

Open the widget toolbar

In Idle mode, select the arrow at the bottom left of the screen to open the widget toolbar. You can rearrange widgets on the widget toolbar or move them to the idle screen.

Move the widgets to the idle screen

1. In Idle mode, scroll left or right to one of the idle screens.
2. Open the widget toolbar.
3. Drag a widget from the widget toolbar to the idle screen. You can position the widget anywhere on the screen.

Change the widgets

1. Open the widget toolbar.
2. Select from the widget toolbar.
3. Select the widgets you want to include to the widget toolbar and select **Save**.

Access help information

Learn to access helpful information about your phone.

1. Open the widget toolbar.
2. Select [?] from the widget toolbar.
3. Rotate the phone counter-clockwise to landscape view.
4. Select a help topic to learn about an application or feature.
5. Scroll left or right to get more information. To return to the previous level, select .

Customize your phone

Get more from your phone by customizing it to match your preferences.

Adjust the volume of the key tones

In Idle mode, press the Volume key up or down and adjust the key tone volume.

Adjust the vibration intensity on the touch screen

You can adjust the intensity of the vibration when you tap the phone screen.

1. In Idle mode, press the Volume key.
2. Select **Vibration** and press the Volume key and adjust the intensity of the vibration.

Switch to or from the silent profile

In Idle mode, select **Keypad** and touch and hold # to silence or unsilence your phone.

Change your ringtone

1. In Menu mode, select **Settings** → **Phone profiles**.
2. Select » next to the profile you are using.

If you are using the silent or offline profile, you are not allowed to change the ringtone.

3. Select **Voice call ringtone**.
4. Select a ringtone from the list and select **Save**.
5. Select **Save**.

To switch to another profile, select it from the list.

Select a wallpaper (Idle mode)

1. In Menu mode, select **Settings** → **Display and light** → **Wallpaper**.
2. Scroll left or right to an image.
3. Select **Set**.

Select a skin color (Menu mode)

1. In Menu mode, select **Settings** → **Display and light** → **My theme**.
2. Select a color pattern.
3. Select **Save**.

Lock your phone

1. In Menu mode, select **Settings** → **Security**.
2. Select **On** under **Phone lock**.
3. Enter a new 4- to 8-digit password and select **Confirm**.

4. Enter the new password again and select **Confirm**.

- The first time you access a menu that requires a password, you will be prompted to create and confirm a password.
- Samsung is not responsible for any loss of passwords or private information or other damages caused by illegal software.

Unlock the touch screen with smart unlock

By drawing a specified character on the locked touch screen, you can unlock the screen only, unlock and then make a call to a speed dial number, or unlock and then launch an application. To set a smart unlock character,

1. In Menu mode, select **Settings** → **Smart unlock**.
2. Select **On** under **Gesture unlock**.
3. Select an unlock option.
4. Select a speed dial number to dial or select an application to launch (if necessary).
5. Select a character for the smart unlock feature.
6. Press the Back key (if necessary).
7. Select **Save**.

Use basic call functions

Learn to make or answer calls and use basic call functions.

During a call, your phone automatically locks the touch screen to prevent accidental inputs. To unlock, press and hold [ ].

Make a call

1. In Idle mode, select **Keypad** and enter an area code and a phone number.
2. Press [ ] to dial the number.
3. To end the call, press [ ].

Answer a call

1. When a call comes in, press [ ].
2. To end the call, press [ ].

Adjust the volume

To adjust the volume during a call, press the Volume key up or down.

Use the speakerphone feature

1. During a call, select **Speaker** → **Yes** to activate the speaker.
2. To switch back to the earpiece, select **Speaker** again.

In noisy environments, you may have difficulty hearing the calls while using the speakerphone feature. For better performance, use the normal phone mode.

Use the headset

By plugging the supplied headset into the multifunction jack, you can make and answer calls:

- To redial the last call, press and hold the headset button, and then press and hold it again.
- To answer a call, press the headset button.
- To end a call, press and hold the headset button.
- To reject an incoming call, press and hold the headset button.

Send and view messages

Learn to send or view text (SMS), multimedia (MMS), or email messages.

Send a text or multimedia message

1. In Menu mode, select **Messages** → **Create message** → **Message**.
2. Select **Tap to add recipient** → **Enter manually**.
3. Enter a recipient number and select **Done**.
4. Select **Tap to add text**.
5. Enter your message text and select **Done**.
   ▶ p. 28
   For sending as a text message, skip to step 7.
   For attaching multimedia, continue with step 6.
6. Select **Add media** and add an item.
7. Select **Send** to send the message.

Send an email

1. In Menu mode, select **Messages** → **Create message** → **Email**.
2. Select **Tap to add recipient** → **Enter manually**.
3. Enter an email address and select **Done**.
4. Select **Tap to add subject**.
5. Enter a subject and select **Done**.
6. Select **Tap to add text**.
7. Enter your email text and select **Done**.
8. Select **Add files** and attach a file (if necessary).
9. Select **Send** to send the message.

Enter text

When entering text, you can change the text input mode:

- To change case or switch to Number or Symbol mode, select **Abc** at the bottom center of the screen.
- To switch T9 and ABC modes, select **T9** (**T9** turns blue in T9 mode).
- To switch to Symbol mode, select @!.

Enter text in one of the following modes:

Mode	Function
ABC	Select an appropriate virtual key until the character you want appears on the display.
T9	1. Select appropriate virtual keys to enter an entire word. 2. When the word displays correctly, select ␣ to insert a space. If the correct word does not display, select an alternate word from the list that appears.
Number	Select an appropriate virtual key to enter a number.
Symbol	Select an appropriate virtual key to enter a symbol.

View text or multimedia messages

1. In Menu mode, select **Messages** → **Inbox**.
2. Select a text or multimedia message.

View an email

1. In Menu mode, select **Messages** → **Email inbox**.
2. Select an account.
3. Select **Download**.
4. Select an email or a header.
5. If you selected a header, select **Retrieve** to view the body of the email.

Add and find contacts

Learn the basics of using the phonebook feature.

Add a new contact

1. In Idle mode, select **Keypad** and enter a phone number.
2. Select → **Add to Phonebook** → **New**.
3. Select **Phone** or **SIM**.
4. Enter contact information.
5. Select **Save** to add the contact to memory.

Find a contact

1. In Idle mode, select **Phonebook**.
2. Select the search field, enter the first few letters of the name you want to find, and select **Done**. You can also drag to select the first letter of the name.
3. Select the contact's name from the search list.

Once you have found a contact, you can:

- call the contact by selecting →
- edit the contact information by selecting **Edit**

Use basic camera functions

Learn the basics to capture and view photos and videos.

Capture photos

1. In Idle mode, press [ ] to turn on the camera.
2. Rotate the phone counter-clockwise to landscape view.
3. Aim the lens at the subject and make any adjustments.
   - To select the time delay, select .
   - To set the exposure value, select .
   - To zoom in or out, press the Volume key.
4. Press [ ] to take a photo.
   The photo is saved automatically.

After capturing photos, select to view photos.

View photos

In Menu mode, select **My files** → **Images** → **My photos** → a photo file.

To zoom in or out,

- select → or .
- touch and hold the screen. When appears, scroll up or down.

To exit the zoom screen, press the Back key.

Capture videos

1. In Idle mode, press [ ] to turn on the camera.
2. Rotate the phone counter-clockwise to landscape view.
3. Select to switch to Recording mode.

4. Aim the lens at the subject and make any adjustments.
   - To change the recording mode, select .
   - To select the time delay, select .
   - To set the exposure value, select .
   - To zoom in or out, press the Volume key.
5. Press [ ] to start recording.
6. Press ■ or [ ] to stop recording.
   The video is saved automatically.

After capturing videos, select ▶ to view videos.

View videos

In Menu mode, select **My files** → **Videos** → **My video clips** → a video file.

Listen to music

Learn how to listen to music via the music player or FM radio.

Listen to the FM radio

1. Plug the supplied headset into the phone's multifunction jack.
2. In Menu mode, select **FM radio**.
3. Select **Yes** to start automatic tuning.
   The radio scans and saves available stations automatically.

   The first time you turn on the FM radio, you will be prompted to start automatic tuning.

4. Control the FM radio using the following icons:

Icon	Function
	Select a radio station saved in the favorite list ▶ p. 46
AF /	Set the FM radio to retune frequencies for stations automatically when the current radio signal is weak
/	Change the sound output

Icon	Function
	Tune a radio station; Select a saved radio station (touch and hold)
	Turn on the FM radio
	Turn off the FM radio

5. To turn off the FM radio, select .

Listen to music files

Start by transferring files to your phone or memory card:

- Download from the wireless web. ▶ Browse the web
- Download from a PC with the optional Samsung PC Studio. ▶ p. 44
- Receive via Bluetooth. ▶ p. 49
- Copy to your memory card. ▶ p. 44
- Synchronize with Windows Media Player 11. ▶ p. 45

After transferring music files to your phone or memory card,

1. In Menu mode, select **Music player**.
2. Select a music category → a music file.
3. Control playback using the following icons:

Icon	Function
	Pause playback
	Resume playback
	Skip backward; Scan backward in a file (touch and hold)
	Skip forward; Scan forward in a file (touch and hold)
NORM	Change the sound effect
A	Change the repeat mode
	Activate Shuffle mode

Browse the web

Learn to access and bookmark your favorite web pages.

- You may incur additional charges for accessing the web and downloading media.
- The browser menus may be labelled differently depending on your service provider.
- Available icons may vary depending on your region or service provider.

Browse web pages

1. In Menu mode, select **Internet** → **Home** to launch your service provider's homepage.
2. Navigate web pages using the following icons:

Icon	Function
	Move backward or forward on a web page
	Stop loading the web page
	Refresh the current web page
	Change the view mode
	Open a list of saved bookmarks
	Change the web page to the landscape orientation
	Access a list of browser options

Bookmark your favorite web pages

1. In Menu mode, select **Internet** → **Bookmarks**.
2. Select **Add**.
3. Enter a web address (URL) and a page title.
4. Select **Save**.

Download media files

1. In Menu mode, select **Downloads**.
2. Search for a ringtone or picture and download it to the phone.

Use the Google services

Learn how to use various Google services.

- Some services may be unavailable depending on your region or service provider.
- The steps you must select to use this feature may differ depending on your region or service provider.

Connect to Google Search

1. In Menu mode, select **Google** → **Search**.
2. Enter a keyword in the search field.

Connect to Google Mail

1. In Menu mode, select **Google** → **Mail**.
2. Set up your Google account and sign in.
3. Send or receive emails.

Connect to Google Maps

To search the map,

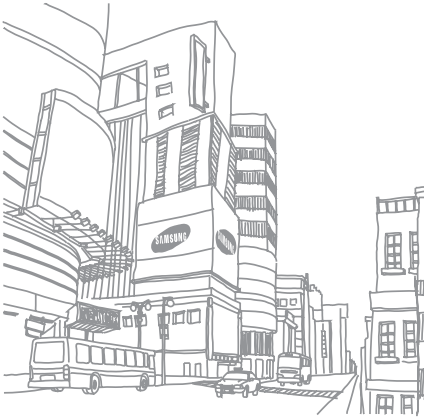
1. In Menu mode, select **Google** → **Maps**.
2. Scroll through the map.
3. Zoom in or out on the location you want.

To search for a specific location,

1. In Menu mode, select **Google** → **Maps**.
2. Select **Menu** → **Search Map** and enter the address or the category of the business.

To get directions to a specific destination,

1. In Menu mode, select **Google** → **Maps**.
2. Select **Menu** → **Get Directions**.
3. Enter the addresses of the starting location and the ending location.
4. Select **Show directions** to view on the map.



using advanced functions

Learn how to perform advanced operations and use additional features of your mobile phone.

Use advanced call functions

Learn about your phone's additional calling capabilities.

View and dial missed calls

Your phone will display calls you have missed on the display. To dial the number of a missed call,

1. Select the missed call you want to dial from the event alert widget.
2. Press [ ] to dial.

Call a recently dialed number

1. In Idle mode, press [ ] to display a list of recent numbers.
2. Scroll to the number you want and select or press [ ] to dial.

Hold a call or retrieve a held call

Select **Hold** to place a call on hold or select **Retrieve** to retrieve a held call.

Dial a second call

If your network supports this function, you can dial another number during a call:

1. Select **Hold** to place the first call on hold.
2. Enter the second number to dial and press [ ].
3. Select **Swap** to switch between the two calls.
4. To end the call on hold, select **On hold** and press [ ].
5. To end the current call, press [ ].

Answer a second call

If your network supports this function, you can answer a second incoming call:

1. Press [ ] to answer the second call.
   The first call is automatically placed on hold.
2. Select **Swap** to switch between the calls.

Make a multiparty call (conference call)

1. Call the first party you want to add to the multiparty call.
2. While connected to the first party, call the second party.
   The first party is automatically placed on hold.
3. When connected to the second party, select **Join**.
4. Repeat steps 2 and 3 to add more parties (if necessary).
5. To end the multiparty call, press [ ].

Call an international number

1. In Idle mode, select **Keypad** and touch and hold **0** to insert the **+** character.
2. Enter the complete number you want to dial (country code, area code, and phone number), and then press [ ] to dial.

Call a contact from the phonebook

You can call numbers directly from the phonebook using stored contacts. ▶ p. 29

1. In Idle mode, select **Phonebook**.
2. Select the contact you want.
3. Select next to the number you want to dial → .

Reject a call

To reject an incoming call, press [ ]. The caller will hear a busy tone.

To reject calls from certain numbers automatically, use the auto rejection. To activate the auto rejection and set up the reject list,

1. In Menu mode, select **Settings** → **Application settings** → **Call** → **All calls** → **Auto reject**.
2. Select **On** under **Activation**.
3. Select **Add number** under **Reject list**.
4. Select the number input field.
5. Enter a number to reject and select **Done** → **Save**.
6. Repeat steps 3-5 to add more numbers.
7. Select the check boxes next to the numbers.
8. Select **Save**.

Use advanced phonebook functions

Learn to create your namecard, set favorite numbers, and create groups of contacts.

Create your namecard

1. In Idle mode, select **Phonebook**.
2. Select **More** → **My namecard**.
3. Enter your personal details and select **Save**.

You can send your namecard by attaching it to a message or email or transferring it via the Bluetooth wireless feature.

Set favorite numbers

1. In Idle mode, select **Phonebook**.
2. Select the **Contacts** drop-down menu and select **Favorites**.
3. Select **Add**.
4. Select a contact.
   The contact is saved to the favorite number.

- You can call this contact by touching and holding the assigned number in the dialing screen.
- The first 5 favorite numbers will be assigned to the favorite contacts () on the widget toolbar.

Create a group of contacts

By creating groups of contacts, you can assign group names, ringtones, caller ID photos, and vibration types to each group or send messages or emails to an entire group. Start by creating a group:

1. In idle mode, select **Phonebook**.
2. Select the **Contacts** drop-down menu and select **Groups**.
3. Select **Create group**.

4. Set a group name, the caller ID photo, a group ringtone, and vibration type.
5. Select **Save**.
6. Select **Yes** and add contacts to the group (if necessary).

Make calls or send messages from photos

Your phone automatically adds contacts you frequently use to the photo contacts list. From the photo contacts, you can make calls or send messages.

1. In Menu mode, select **Photo contacts**.
2. Select a photo contact.
3. Select to dial the number or select to send a message.

Use advanced messaging functions

Learn to create templates, use templates to create new messages, and create message folders.

Create a text template

1. In Menu mode, select **Messages** → **Templates** → **Text templates**.
2. Select **Create** to open a new template window.
3. Select **Tap to add text**.
4. Enter your text and select **Done**.
5. Select **Save**.

Create a multimedia template

1. In Menu mode, select **Messages** → **Templates** → **Multimedia templates**.
2. Select **Create** to open a new template window.

3. Create a multimedia message, with a subject and desired attachments, to use as your template. ▶ p. 27
4. Select **Save**.

Insert text templates in new messages

1. To start a new message, in Menu mode, select **Messages** → **Create message** → a message type.
2. Select **More** → **Insert** → **Text template** → a template.

Create a message from a multimedia template

1. In Menu mode, select **Messages** → **Templates** → **Multimedia templates**.
2. Select next to the template you want. Your template opens as a new multimedia message.

Create a folder to manage messages

1. In Menu mode, select **Messages** → **My folders**.
2. Select **Create folder**.
3. Enter a new folder name and select **Done**.

Move messages from a message folder to your folders to manage them as your preferences.

Use advanced camera functions

Learn how to capture photos in various modes and customize camera settings.

Capture photos in Smile shot mode

1. In Idle mode, press [ ] to turn on the camera.
2. Rotate the phone counter-clockwise to landscape view.
3. Select → **Smile shot**.
4. Make any necessary adjustments.

5. Press [ ].
6. Aim the camera lens at your subject.
   Your phone recognises people in an image and detects their smiles. When the subject smiles, the phone automatically takes a photo.

Capture a series of photos

1. In Idle mode, press [ ] to turn on the camera.
2. Rotate the phone counter-clockwise to landscape view.
3. Select [ ] → **Continuous**.
4. Make any necessary adjustments.
5. Press and hold [ ] to take a series of photos.

Capture panoramic photos

1. In Idle mode, press [ ] to turn on the camera.
2. Rotate the phone counter-clockwise to landscape view.
3. Select [ ] → **Panorama**.
4. Make any necessary adjustments.
5. Press [ ] to take the first photo.
6. Slowly move the phone to the direction you want. When you align the small white frame with , the phone captures the next photo automatically.
7. Repeat step 6 to complete the panoramic photo.

Use camera options

Before capturing a photo, select ⚙ to access the following options:

Option	Function
Resolution	Change the resolution option
White balance	Adjust the color balance
Effects	Apply a special effect
Exposure meter	Select a type of exposure meter
Image quality	Adjust the quality of your photos
Night	Set whether to use Night shot mode

Before capturing a video, select ⚙ to access the following options:

Option	Function
Resolution	Change the resolution option
White balance	Adjust the color balance
Effects	Apply a special effect
Video quality	Adjust the quality of your video clips

Customize camera settings

Before capturing a photo, select ⚙ → ⚙ to access the following:

Setting	Function
Guidelines	Change the preview screen
Review	Set the camera to switch to the review screen after capturing photos
Shutter sound	Select a sound to accompany the shutter action
Storage	Select a memory location to store new photos

Before capturing a video, select → to access the following:

Setting	Function
Guidelines	Change the preview screen
Audio recording	Turn the audio on or off
Storage	Select a memory location to store new video clips

Use advanced music functions

Learn to prepare music files, create playlists, and store radio stations.

Copy music files via Samsung PC Studio

1. In Menu mode, select **Settings** → **Phone settings** → **PC connections** → **Samsung PC studio** or **Mass storage** → **Save**.
2. Press [ ] to return to Idle mode.
3. Using an optional PC data cable, connect the multifunction jack on your phone to a PC.
4. Run Samsung PC Studio and copy files from the PC to the phone.
   Refer to the Samsung PC Studio help for more information.

Copy music files to a memory card

1. Insert a memory card.
2. In Menu mode, select **Settings** → **Phone settings** → **PC connections** → **Mass storage** → **Save**.
3. Press [ ] to return to Idle mode.
4. Using an optional PC data cable, connect the multifunction jack on your phone to a PC.
   When connected, a pop-up window will appear on the PC.
5. Open a folder to view files.
6. Copy files from the PC to the memory card.

Synchronize your phone with Windows Media Player

1. In Menu mode, select **Settings** → **Phone settings** → **PC connections** → **Media player** → **Save**.
2. Press [ ] to return to Idle mode.
3. Using an optional PC data cable, connect the multifunction jack on your phone to a PC with Windows Media Player installed.
   When connected, a pop-up window will appear on the PC.
4. Open Windows Media Player to synchronize music files.
5. Edit or enter your phone's name in the pop-up window (if necessary).
6. Select and drag the music files you want to the sync list.
7. Start synchronization.

Create a playlist

1. In Menu mode, select **Music player** → **Playlists**.
2. Select **Create**.
3. Select the text input field.
4. Enter a title for your new playlist and select **Done**.
5. To assign an image to the playlist, select **Tap to edit** and select an image or capture a new photo.
6. Select **Save**.
7. Select the new playlist.
8. Select **Add** → **Tracks**.
9. Select the files you want to include and select **Add**.

Customize your music player settings

1. In Menu mode, select **Music player**.
2. Select **Settings**.
3. Adjust the settings to customize your music player:

Option	Function
Background playing	Set whether to play music in the background when you end the music player
Music menu	Select music categories to display in the music library screen

4. Select **Save**.

Store radio stations automatically

1. Plug the supplied headset into the phone's multifunction jack.
2. In Menu mode, select **FM radio**.
3. Select ▶ to start the FM radio.
4. Select **More** → **Self-tuning**.
5. Select **Yes** to confirm (if necessary).
   The radio scans and saves available stations automatically.

Set up your favorite radio station list

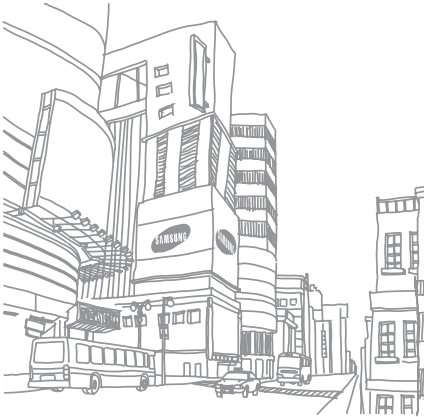
1. Plug the supplied headset into the phone's multifunction jack.
2. In Menu mode, select **FM radio**.
3. Select ▶ to start the FM radio.
4. Select a radio station to add to the favorite list.
5. Tap **Add to Favorites**.

Find information of music

Learn to access an online music service and get information about the songs you hear while on the move.

1. In Menu mode, select **Find music**.
2. Select **Find music** to connect to the server.
3. When the phone is successfully registered, select ● to record a part of music you want to find.

Some service providers may not support this service and the database may not have information for all songs.



using tools and applications

Learn how to work with your mobile phone's tools and additional applications.

Use the Bluetooth wireless feature

Learn about your phone's ability to connect to other wireless devices for exchanging data and using hands-free features.

Turn on the Bluetooth wireless feature

1. In Menu mode, select **Bluetooth**.
2. Select the circle in the center to turn on the Bluetooth wireless feature.
3. To allow other devices to locate your phone, select **Settings** → **On** under **My phone's visibility** → a visibility option → **Save** → **Save**.

   If you selected **Custom**, set duration that your phone is visible.

Find and pair with other Bluetooth-enabled devices

1. In Menu mode, select **Bluetooth** → **Search**.
2. Select and drag a device icon into the center.
3. Enter a PIN for the Bluetooth wireless feature or the other device's Bluetooth PIN, if it has one, and select **Done**.
   When the owner of the other device enters the same code or accepts the connection, pairing is complete.

You may not need to enter a PIN depending on the device.

Send data using the Bluetooth wireless feature

1. Select the file or item from one of your phone's applications that you want to send.
2. Select **Send via** or **Send URL via** → **Bluetooth** or select **More** → **Send namecard via** → **Bluetooth**.

Receive data using the Bluetooth wireless feature

1. Enter the PIN for the Bluetooth wireless feature and select **Done** (if necessary).
2. Select **Yes** to confirm that you are willing to receive data from the device (if necessary).

Use Remote SIM mode

In Remote SIM mode, you can make or answer calls only with a connected Bluetooth hands-free car kit via the SIM card on your phone.

To activate Remote SIM mode,

1. In Menu mode, select **Bluetooth** → **Settings**.
2. Select **On** under **Remote SIM mode**.

3. Select **Save**.

To use Remote SIM mode, start the Bluetooth connection from a Bluetooth hands-free car kit.

The Bluetooth hands-free car kit must be authorized. To authorize, select the device and select **Authorize device**.

Activate the mobile tracker

When someone inserts a new SIM card in your phone, the mobile tracker feature will automatically send the contact number to two recipients to help you locate and recover your phone. To activate the mobile tracker,

1. In Menu mode, select **Settings** → **Security** → **Mobile tracker**.
2. Enter your password and select **Confirm**.
3. Select **On** to turn on the mobile tracker.
4. Select the recipient field to open the recipient list.
5. Select the recipient input field.
6. Enter a phone number and select **Done**.
7. Select **OK** to save the recipients.
8. Select the sender input field.
9. Enter the sender's name and select **Done**.
10. Select **Save** → **Accept**.

Make fake calls

You can simulate an incoming call when you want to get out of meetings or unwanted conversations. You can also make it appear as if you are talking on the phone by playing back a recorded voice.

Make a fake call

In Idle mode, press and hold the Volume key down.

Record a voice

1. In Menu mode, select **Settings** → **Application settings** → **Call** → **Fake call** → **Fake call voice**.
2. Select **On** under **Fake call voice**.
3. Select **Voice recording**.
4. Select ● to start recording.
5. Speak into the microphone.
6. When you are finished speaking, select ■.
7. Press the Back key.
8. Select **Save** to set the recording as a response for the fake call.

Change the time delay before fake calls

1. In Menu mode, select **Settings** → **Application settings** → **Call** → **Fake call** → **Fake call timer**.
2. Select an option and select **Save**.

Record and play voice memos

Learn to operate your phone's voice recorder.

Record a voice memo

1. In Menu mode, select **Voice recorder**.
2. Select ● to start recording.
3. Speak your memo into the microphone.
4. When you are finished speaking, select ■. Your memo is saved automatically.

Play a voice memo

1. In Menu mode, select **My files** → **Sounds** → **Voice clips**.
2. Select a file.

3. Control playback using the following icons:

Icon	Function
	Pause playback
	Resume playback
	Skip backward; Scan backward in a file (touch and hold)
	Skip forward; Scan forward in a file (touch and hold)

Edit images

Learn to edit images and apply fun effects.

Apply effects to images

1. In Menu mode, select **My files** → **Images** → **My photos** → a photo file.
2. Select .
3. Select **Edit** → **Effects** → an effect option (filter, style, warp, or partial blur).
4. Select a variation of the effect to apply and select **Done**.
   To apply a blur effect to a specific area of an image, draw a rectangle and select **Blur** → **Done**.
5. When you are finished, select **Files** → **Save as**.
6. Select a memory location (if necessary).
7. Enter a new file name for the image and select **Done**.

Adjust an image

1. Open an image to be edited. Refer to steps 1-2 in “Apply effects to images.”
2. Select **Edit** → **Adjust** → an adjustment option (brightness, contrast, or color).
   To adjust the image automatically, select **Auto level**.

3. Adjust the image as desired and select **Done**.
4. Save the edited image with a new file name. Refer to steps 5-7 in “Apply effects to images.”

Transform an image

1. Open an image to be edited. Refer to steps 1-2 in “Apply effects to images.”
2. Select **Edit** → **Transform** → **Resize**, **Rotate**, or **Flip**.
3. Rotate or flip the image as desired and select **Done**.

   To resize the image, select a size and select **Save** → **Done**.
4. Save the edited image with a new file name. Refer to steps 5-7 in “Apply effects to images.”

Crop an image

1. Open an image to be edited. Refer to steps 1-2 in “Apply effects to images.”
2. Select **Edit** → **Crop**.
3. Draw the rectangle over the area you want to crop and select **Crop** → **Done**.
4. Save the edited image with a new file name. Refer to steps 5-7 in “Apply effects to images.”

Insert a visual feature

1. Open an image to be edited. Refer to steps 1-2 in “Apply effects to images.”
2. Select **Edit** → **Insert** → a visual feature (frame, image, clip art, emoticon, or text).
3. Select a visual feature or enter text and select **Done**.
4. Move or resize the visual feature or text and select **Done** or **OK**.
5. Save the edited image with a new file name. Refer to steps 5-7 in “Apply effects to images.”

Print images

Learn to print your images with a USB connection or the Bluetooth wireless feature.

To print an image using a USB connection,

1. Connect the multifunction jack on your phone to a compatible printer.
2. Open an image. ▶ p. 30
3. Select **More** → **Print via** → **USB**.
4. Set print options and print the image.

To print an image using the Bluetooth wireless feature,

1. Open an image. ▶ p. 30
2. Select **More** → **Print via** → **Bluetooth**.
3. Select a Bluetooth-enabled printer and pair with the printer. ▶ p. 49
4. Set print options and print the image.

Upload photos and videos to the web

Learn to post your photos and videos to photo sharing websites and blogs.

Communities may be unavailable depending on your region or service provider.

Set your favorite destination list

1. In Menu mode, select **Communities**.
2. Select **Yes** to set your favorite destination list (if necessary).
3. Select **Accept** to confirm that you agree to the general disclaimer.

The first time you access **Communities**, you will be prompted to confirm.

4. Select the destinations you want to add and select **Save**.
   If you selected **Update lists**, new destination sites are added to the list automatically.

To edit the favorite destination list or update the lists, from the Communities screen, select **Settings** → **Preferred lists** → **Edit**.

Upload a file

To upload photos and videos, you must have accounts of photo sharing websites and blogs.

1. In Menu mode, select **Communities**.
2. Select **Upload to web**.
3. Select a destination you want to post to.
4. Select **Tap to add** → a media file.
5. Enter the post details and select **Upload**.

6. Enter the user ID and password of the destination (if necessary).

You can also upload media files from **Camera** or **My files** by selecting or **More** → **Upload to web**.

View a file

1. In Menu mode, select **Communities**.
2. Select a website or blog to view files.
3. Enter the user ID and password of the destination (if necessary).

Customize the Communities settings

1. In Menu mode, select **Communities**.
2. Select **Settings**.
3. Adjust the settings.

Setting	Function
Upload details	View details of your last upload
Preferred lists	Edit favorite destinations
Image resize	Change the image size to upload
Upload reservation	Set your phone to upload files to a destination automatically at the scheduled time
Account manager	Log in to a website or blog or log out
Communities profiles	Change the connection profile
Disclaimer	View the disclaimer information

Use Java-powered games and applications

Learn to use games and applications powered by award-winning Java technology.

The download of Java files may not be supported depending on the software of the phone.

Download games or applications

1. In Menu mode, select **Games and more** → **More games**.
   Your phone connects to the website preset by your service provider.
2. Search for a game or application and download it to the phone.

Play games

1. In Menu mode, select **Games and more**.
2. Select a game from the list and follow the on-screen instructions.

Available games may vary, depending on your region or service provider. Game controls and options may vary.

Launch applications

1. In Menu mode, select **Games and more** → an application.
2. Select **More** to access a list of various options and settings for your application.

Create and view world clocks

Learn to view the time in another region and set world clocks to appear on your display.

Create a world clock

1. In Menu mode, select **World clock**.
2. Select **Add**.
3. Select a time zone.
4. To set daylight saving time, select ✸.
5. Select **OK** to create your world clock.
   The world clock is set as the second clock.
6. Select **Add** to add more world clocks (step 3).

Add a world clock to your display

With the dual clock widget, you can view clocks with two different time zones on your display.

After you have created world clocks,

1. In Menu mode, select **World clock**.
2. Select **Set as 2nd clock**.
3. Select the world clock you want to add.
4. Select **Set**.

Set and use alarms

Learn to set and control alarms for important events.

Set a new alarm

1. In Menu mode, select **Alarms**.
2. Select **Create alarm**.

3. Set alarm details.
4. Select **Save**.

The auto power-up feature sets the phone to automatically turn on and sound the alarm at the designated time if the phone is turned off.

Stop an alarm

When the alarm sounds,

- Drag the slider to **Stop** to stop the alarm without snooze.
- Drag the slider to **Stop** to stop the alarm with snooze or drag the slider to **Snooze** to silence the alarm for the snooze period.

Deactivate an alarm

1. In Menu mode, select **Alarms**.
2. Select **Off** next to the alarm you want to deactivate.

Use the calculator

1. In Menu mode, select **Calculator**.
2. Use the keys that correspond to the calculator display to perform basic mathematical operations.

Convert currencies or measurements

1. In Menu mode, select **Converter** → a conversion type.
2. Enter the currencies or measurements and units in the appropriate fields.

Set a countdown timer

1. In Menu mode, select **Timer**.
2. Set the length of time to count down.
3. Select **Start** to begin the countdown.
4. When the timer expires, drag the slider to **Stop** to stop the alert.

Use the stopwatch

1. In Menu mode, select **Stopwatch**.
2. Select **Start** to begin the stopwatch.
3. Select **Lap** to record lap times.
4. When you are finished, select **Stop**.
5. Select **Reset** to clear recorded times.

Create new tasks

1. In Menu mode, select **Task**.
2. Select **Create task**.
3. Enter the details of the task.
4. Select **Save**.

Create new memos

1. In Menu mode, select **Memo**.
2. Select **Create memo**.
3. Enter your memo text and select **Done**.

Manage your calendar

Learn to change the calendar view and create events.

Change the calendar view

1. In Menu mode, select **Calendar**.
2. Select **More** → **View by day** or **View by week**.

Create an event

1. In Menu mode, select **Calendar**.
2. Select **Create event** → an event type.
3. Enter the details of the event as required.
4. Select **Save**.

View events

To view events of a specific date,

1. In Menu mode, select **Calendar**.
2. Select a date on the calendar.
3. Select an event to view its details.

To view all saved events,

1. In Menu mode, select **Calendar**.
2. Select **Event list** → an event type.
3. Select an event to view its details.

troubleshooting

If you are having trouble with your mobile phone, try these troubleshooting procedures before contacting a service professional.

When you turn on your phone or while you are using the phone, it prompts you to enter one of the following codes:

Code	Try this to solve the problem:
Password	When the phone lock feature is enabled, you must enter the password you set for the phone.
PIN	When using the phone for the first time or when the PIN requirement is enabled, you must enter the PIN supplied with the SIM card. You can disable this feature by using the **PIN lock** menu.
PUK	Your SIM card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your service provider.
PIN2	When you access a menu requiring the PIN2, you must enter the PIN2 supplied with the SIM card. For details, contact your service provider.

The phone prompts you to insert the SIM card.

Ensure that the SIM card is installed correctly.

Your phone displays “No service” or “Network error.”

- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.
- You cannot access some options without a subscription. Contact your service provider for more details.

You enter a number, but the call is not dialed.

- Ensure that you have pressed the Dial key: [⌐].
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number.

Another caller cannot reach you.

- Ensure that your phone is turned on.
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number.

Another caller cannot hear you speaking.

- Ensure that you are not covering the built-in microphone.
- Ensure that the microphone is close to your mouth.
- If using a headset, ensure that it is properly connected.

The phone beeps and the battery icon flashes.

Your battery is low. Recharge or replace the battery to continue using the phone.

The audio quality of the call is poor.

- Ensure that you are not blocking the phone's internal antenna.
- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.

You select a contact to call, but the call is not dialed.

- Ensure that the correct number is stored in the contact list.
- Re-enter and save the number, if necessary.

The battery does not charge properly or sometimes the phone turns itself off.

- The battery terminals may be dirty. Wipe both gold-colored contacts with a clean, soft cloth and try charging the battery again.
- If the battery will no longer charge completely, dispose of the old battery properly and replace it with a new battery.

Your phone is hot if touched.

When you use applications that require more power, your phone may heat up.

This is normal and should not affect your phone's lifespan or performance.